

PATENT
Serial No. 10/523,043
Amendment in Reply to Office Action mailed on March 24, 2006

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Device A device for placing a lamp in a reflector, said device comprising:

[[-]]—a socket for holding a lamp and

[[-]]—a back plate to be secured to the reflector and having pressure points,

characterized in that

wherein said socket (1) is provided with comprises:

a main body part (2), with a reference plane (16) to be brought into contact with the a reflector surface, with means (3) for holding the lamp at one side of the reference plane, with

a resilient annular spring (5) secured to the main body part at the opposite side of the reference plane, and with

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two upright arms (7) provided with clicks (8),
~~said back plate (11) being provided with pressure points (14),~~

wherein, when securing the back plate to the reflector, the reference plane (16) is brought into contact with said reflector surface, and the pressure points (14), when in contact with the clicks (8) of the socket, displace the clicks (8) in the direction of the reflector over a distance Δx so as to put the annular spring (5) under tension, said distance Δx being such that the annular spring (5) presses the reference plane main body part towards said reflector surface with a force of at least 5N, preferably with a force of at least 10 N.

2. (Currently Amended) Device The device according to claim 1, characterized in that wherein the clicks (8) are displaced by the pressure points (14) over a distance ranging from 0.5 mm up to 2 mm, preferably 0.8 mm to 1.3 mm.

3. (Currently Amended) Device The device according to claim 1, characterized in that wherein the main body part (2) is provided

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~~with includes two electrically conducting female terminals (10), and the back plate (11) is provided with includes two mating electrically conducting male terminals (13) such that, when the back plate is moved towards the socket, the male terminal (13) is inserted with friction into the female terminal (10) so as to hold the back plate and socket together and to position the pressure points (14) with respect to the clicks (8).~~

4. (Currently Amended) Device The device according to claim 1, characterized in that wherein the socket (1) is formed as an integral part from a synthetic resin, preferably polyamide.

5. (Currently Amended) Device The device according to claim 1, characterized in that wherein the back plate (11) is made from an electrically insulating material and is provided with includes one or more printed circuit(s) connected to the male terminals (13).

6. (Currently Amended) Device The device according to claim 1, characterized in that wherein the back plate comprises more than one set of pressure points (14) to bring an equal number of sockets

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into contact with a reflector unit provided with a number of reflectors.

Claims 7-8 (Canceled)

9. (New) A lighting device comprising:

a socket for holding a lamp, said socket having a resilient annular spring and at least one arm provided with a click; a reflector for reflecting light from the lamp; and a back plate connectable to the reflector so that said socket is held between the back plate and the reflector;

wherein the back plate includes at least one pressure point when in contact with the click of the socket, displaces the click in a direction of the reflector over a distance so as to put the annular spring under tension.

10. (New) The lighting device of claim 9, wherein the distance is such that the annular spring presses the socket towards the reflector with a force of at least 5N.

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11. (New) The lighting device of claim 9, wherein the click is displaced by the at least one pressure point over a distance ranging from 0.5 mm up to 2 mm.

12. (New) The lighting device of claim 9, wherein the socket includes at least one electrically conducting female terminal, and the back plate includes at least one mating electrically conducting male terminal such that, when the back plate is moved towards the socket, the male terminal is inserted with friction into the female terminal so as to hold the back plate and socket together and to position the at least one pressure point with respect to the click.

13. (New) The lighting device of claim 9, wherein the socket is formed as an integral part from a synthetic resin.

14. (New) The lighting device of claim 9, wherein the back plate is made from an electrically insulating material and includes at least one printed circuit connected to the at least one male terminal.

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15. (New) A socket for holding a lamp, the socket comprising:
a resilient annular spring; and
at least one arm provided with a click for contacting a
pressure point of a back plate and being displaced in a direction
away from the back plate over a distance so as to put the annular
spring under tension.

16. (New) The lighting device of claim 9, wherein the distance
is such that the annular spring presses the socket towards the
reflector with a force of at least 5N.

17. (New) The socket of claim 15, wherein the click is
displaced by the pressure point over a distance ranging from 0.5 mm
up to 2 mm.

18. (New) The socket of claim 15, wherein the socket includes
at least one electrically conducting female terminal, and the back
plate includes at least one mating electrically conducting male
terminal such that, when the back plate is moved towards the
socket, the male terminal is inserted with friction into the female

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terminal so as to hold the back plate and socket together and to position the at least one pressure point with respect to the click.

19. (New) A back plate for receiving a socket that holds a lamp, the back plate comprising:

at least one pressure point when in contact with a click of the socket, displaces the click in a direction away from the back plate over a distance so as to put an annular spring of the socket under tension.

20. (New) The back plate of claim 19, further comprising at least one terminal such that, when the back plate is moved towards the socket, the at least one terminal mates with a counterpart terminal of the socket so as to hold the back plate and socket together and to position the at least one pressure point with respect to the click.

21. (New) The back plate of claim 19, wherein the back plate is made from an electrically insulating material and includes at least one printed circuit connected to the at least one male

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terminal.

22. (New) The back plate of claim 19, further comprising a fastener for fastening the back plate to a reflector.